

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 001-03-043

First Inventor SATO

Title ELECTRICAL COMPONENT AND METHOD FOR  
MANUFACTURING THE SAME

Express Mail Label No. EU219230978US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 36]  
(preferred arrangement set forth below)
- Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table,  
or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 7]
5. Oath or Declaration [Total Pages 3]
- a. ☐ Newly executed (original or copy)
- b. ☒ Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 18 completed)
- i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR  
1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

**ADDRESS TO:**Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or  
Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
- a. ☐ Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☐ paper
- c. ☐ Statements verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☒ 37 CFR 3.73(b) Statement (when there is an assignee) ☒ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122  
(b)(2)(B)(i). Applicant must attach form PTO/SB/35  
or its equivalent.
17. ☐ Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☒ Divisional ☐ Continuation-in-part (CIP)

of prior application No. 09, 853,050

Prior application information:

Examiner: John S. Maples

Group Art Unit: 1745

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**☒ Customer Number or Bar Code Label35870  
(Insert Customer No. or Attach bar code label here)or ☐ Correspondence address below

Name

Tracy M Heims

Address

13194 Edgewater Lane Northeast

City

Seattle

State

WA

Zip Code

98125

Country

U.S.A.

Telephone

296-664-0314

Fax

206-664-0329

Name (Print/Type)

Tracy M Heims

Registration No. (Attorney/Agent)

53,010

Signature



Date

06/27/2003

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

DIVISIONAL PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Sato et al.

Application No.: New U.S. Divisional Patent Application

Filed: June 27, 2003

Attorney Dkt. No.: 001-03-043

For: ELECTRICAL COMPONENT AND METHOD FOR MANUFACTURING  
THE SAME

DIVISIONAL PATENT APPLICATION

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

June 27, 2003

Commissioner:

Applicant respectfully requests that the filing date of June 27, 2003 be granted to this Divisional Patent Application filing transmitted herewith for filing under 37 C.F.R. §1.53(b) for the above named inventor for ELECTRICAL COMPONENT AND METHOD FOR MANUFACTURING SAME. This application is a Divisional Application of Original Japanese Application, 2000-141687, filed on May 15, 2000 and U.S. Patent Application 09/853,050 filed on May 11<sup>th</sup>, 2001.

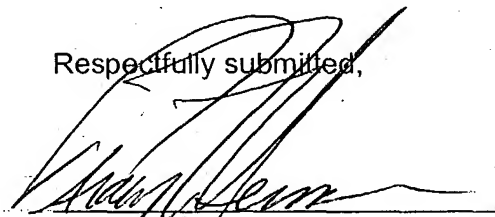
Included herein are the following documents:

1. Specification (36 pages), claims (4 pages), Abstract (1 page) and drawings (7 pages)

2. Claim for priority is claimed under 35 U.S.C. §119 based on the original Japanese parent application, No. 2000-141687 filed on May 15<sup>th</sup>, 2000.
3. Certificates of mailings for all documents
4. Business check for Filing Fee, in the amount of \$750, for Large Entity Filing Status
5. Copy of "Notice of Recordation of Assignment Document" and a copy of Assignment of Rights, Title and Interest in Invention to Nisshinbo Industries, Inc., as shown at Reel/Frame 012158/0785 filed in the parent application in accordance with 37 C.F.R. 3.73(b)
6. Incorporation by reference for Divisional Application. The disclosure of the prior application is considered as being a part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
7. Notice of Acceptance of Power of Attorney for original U.S. application 09/853,050.
8. Fee transmittal form in duplicate (PTO/SB/17)
9. Utility Patent Application Transmittal form (PTO/SB/05)
10. Patent Application Fee Determination Recordal form (PTO/SB/06)
11. Self Address, stamped return post card setting forth the above.

Please charge any fee deficiency or credit any overpayment with respect to this paper and or this application to Apex Juris Deposit Account No. 50-2069.

Respectfully submitted,



Tracy M Heims  
Registration No. 53,010

APEX JURIS, pllc  
13194 Edgewater Lane Northeast  
Seattle, Washington 98125  
Email: tracy@apexjuris.com

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 750.00

## Compleat if Known

Application Number  
Filing Date June 27, 2003  
First Named Inventor Sato  
Examiner Name  
Art Unit 1745  
Attorney Docket No. 001-03-043

### METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit Account Number 50-2069

Deposit Account Name Apex Juris, pllc

The Commissioner is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments

☐ Charge any additional fee(s) during the pendency of this application

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account!

### FEE CALCULATION

#### 1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 750	2001 375	Utility filing fee	750
1002 330	2002 165	Design filing fee	
1003 520	2003 260	Plant filing fee	
1004 750	2004 375	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
SUBTOTAL (1)			(\$ 750.00

#### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
15	20** = 0	X 0	= 0
Independent Claims	2	3** = 0	X 0 = 0
Multiple Dependent			

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 84	2201 42	Independent claims in excess of 3
1203 280	2203 140	Multiple dependent claim, if not paid
1204 84	2204 42	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ 0.00

\*\*or number previously paid, if greater; For Reissue, see above

### FEE CALCULATION (continued)

#### 3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 410	2252 205	Extension for reply within second month	
1253 930	2253 465	Extension for reply within third month	
1254 1,450	2254 725	Extension for reply within fourth month	
1255 1,970	2255 985	Extension for reply within fifth month	
1401 320	2401 160	Notice of Appeal	
1402 320	2402 160	Filing a brief in support of an appeal	
1403 280	2403 140	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,300	2453 650	Petition to revive - unintentional	
1501 1,300	2501 650	Utility issue fee (or reissue)	
1502 470	2502 235	Design issue fee	
1503 630	2503 315	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 750	2809 375	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 750	2810 375	For each additional invention to be examined (37 CFR 1.129(b))	
1801 750	2801 375	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 0.00

### SUBMITTED BY

Name (Print/Type) Tracy M Helms  
Registration No. (Attorney/Agent) 53,010  
Telephone 206-664-0314  
Signature [Signature]  
Date June 27, 2003

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8

I hereby certify that the entire correspondence listed below is being deposited with the United States Postal Service with sufficient postage as EXPRESS MAIL, Label Number EU219230978US in an envelope addressed to:

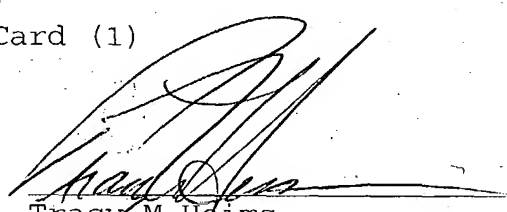
Mail Stop Patent Application  
Commissioner for Patent  
P.O. Box 1450  
Alexandria, VA 22313-1450

EU 219230978 US

On June 27<sup>th</sup>, 2003.

Enclosed herein are the following documents:

1. Letter to the Commissioner (2pgs)
2. Assignment History (5pgs)
3. USPTO Fee Transmittal Form (PTO/SB/17-2pgs)
4. Utility Patent Application Transmittal (PTO/SB/05)
5. Specification, Claims and Abstract (37 pgs)
6. Drawings (7 pgs)
7. Copy of Notice of Acceptance of Power of Attorney (1 pg)
8. Copy of USPTO Notice of Recordation of Assignment Documents (7 pgs)
9. Patent Application Fee Determination Record (1 pg)
10. Copy of Originally submitted Oath (3 pgs)
11. Fee submission-business check, Apex Juris
12. Certificate of Mailing (1 pg)
13. Self Addressed Stamped Post Card (1)

  
Tracy M Heims  
Reg. # 53,010

June 27<sup>th</sup> 2003  
Date:

APEX JURIS, pllc.  
13194 Edgewater Lane Northeast  
Seattle, Washington 98125  
Email: tracy@apexjuris.com  
Phone (206) 664-0314  
Fax (206) 664-0329